

ANNUAL REPORT
OF THE
RECEIPTS AND EXPENDITURES
OF THE
TOWN OF CHELMSFORD,
TOGETHER WITH THE
SCHOOL REPORT,
FOR THE
YEAR ENDING FEB. 28, 1889.

LOWELL, MASS.:
VOX POPULI PRESS: 130 CENTRAL STREET.
1889.

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OFFICERS OF THE TOWN OF CHELMSFORD,

1888.

Selectmen, Assessors, and Overseers of the Poor — LEWIS K. HOWARD, CHARLES W. FLINT, JOHN Q. BATTLES, R. WILSON DIX, GEORGE F. SNOW.

Town Clerk — GEORGE A. PARKHURST.

Town Treasurer — EDWIN H. WARREN.

School Committee — Three years: J. ADAMS BARTLETT, WILLIAM L. GORDON, R. WILSON DIX; two years: ROBERT FLETCHER, FRANK C. BYAM, RILEY DAVIS; one year: EDWIN E. DUTTON, ROYAL S. RIPLEY, MARCUS H. WINSHIP.

Collector — WILLIAM L. GORDON.

Highway Surveyor — DANIEL W. LANE.

Constables — JAMES P. EMERSON, ALFRED DAY, GEORGE F. DYAR, SAM'L J. GARLAND, JOHN H. WHIDDEN, DANIEL W. SLEEPER.

• *Fence Viewers* — ALBION LAMPHERE, JAMES P. EMERSON, DANIEL P. BYAM.

Appraisers of Personal Property at Town Farm — ELISHA H. SHAW, JAMES P. EMERSON, DANIEL P. BYAM.

Auditors — ZIBA GAY, EDWARD F. RICHARDSON, HENRY S. PERHAM.

Weighers of Hay — GEORGE A. PARKHURST, S. WALDO PARKHURST, MARCUS H. WINSHIP, EBEN T. ADAMS, ELISHA H. SHAW, THOMAS M. GERKISH.

Measurers of Wood — GEORGE A. PARKHURST, S. WALDO PARKHURST, NEWELL E. PARKER, ELISHA H. SHAW, JAMES P. EMERSON, MARCUS H. WINSHIP.

Surveyors of Lumber — R. WILSON DIX, ELI P. PARKER, EDWIN K. PARKHURST, GEORGE E. SPAULDING.

Field Drivers — GEORGE MILLS, WALTER R. WINNING, CALVIN H. WHITTEMORE.

Sealer of Weights and Measures — TRUE MORTON.

Firewards — ELISHA H. SHAW, CHARLES F. SCRIBNER, JOHN CONNORS, ALBERT H. DAVIS, ALMON W. HOLT, FRANK C. BYAM, DANIEL P. BYAM, WARREN BERRY.

Precinct Wardens — EBEN T. ADAMS, EBEN R. MARSHALL, ARTHUR H. SHELDON, CHARLES H. DUTTON, ALFRED G. PARKHURST, WILLIAM H. KIERNAN.

Precinct Clerks — JOSEPH E. WARREN, FRED K. RIPLEY, MARCUS H. WINSHIP.

Registrars of Voters — NATHAN B. EDWARDS, ELIJAH D. BEARCE, LEWIS M. DUTTON, GEORGE A. PARKHURST.

REPORT OF THE TOWN CLERK

For the Year ending Feb. 28, 1889.

BIRTHS.

Males	21
Females.....	18
Total	<u>39</u>

Births of native parentage.....	23
Births of foreign parentage... ..	9
Births of native and foreign parentage.....	7

NOTE.—Births occurring late in the year are sometimes returned without the Christian name. In all such cases parents should return the name to the Town Clerk as soon as selected, *as an incompleteness of the record may involve much trouble in the future.*

MARRIAGES.

Whole number.....	21
Between natives.....	18
Between natives and foreigners.....	3
Chelmsford grooms.....	16
Chelmsford brides.....	14
Solemnized in Chelmsford.....	16

DEATHS.

DATE.	NAMES.	AGE.		
		Yrs.	Mos.	Days.
Jan. 2....	Mary A. (Johnson) Fletcher.....	77		17
Jan. 7....	Mary A. McCoy.....	9	5	
Feb. 4....	Elizabeth A. Mansfield.....	42	9	4
Feb. 17...	Martha Calhoun.....	74		3
Feb. 18...	Harrison Hall.....	76		25
Feb. 23...	Esther S. Hall.....	77	9	13
Mar. 1....	Owen F. Duffy.....			3
Mar. 2....	— Brown.....			
Mar. 9....	Cornelia Parker.....	62	1	16
Mar. 23...	Joshua Sargent.....	84	2	26
Mar. 24...	Florence Hart.....		1	2
Mar. 27...	Sophronia (Carkin) Grow.....	61	1	6
Mar. 28...	Thomas Brennan.....	84		
Apr. 2....	Francis Devine.....		8	
Apr. 3....	Ezra Vickery.....	72	6	28
Apr. 11...	Jane Finnich.....	17		
Apr. 17...	Grace E. Parkhurst.....	26	9	6
May 11...	Mary L. Robinson.....	74	6	6
May 27...	Neal Thomas Nelson.....	70	4	7
May 30...	Robert J. Gemmell.....		6	
May 31...	Alson W. Kimball.....		14	
June 3....	Nellie E. Harrington.....	22		
June 5....	Eleutheria W. Perham.....	78	1	8
June 9....	Joseph Warren.....	87	9	22
June 10...	Anna T. Shaw.....	3	11	10
June 14...	Ann (Doyle) Ward.....	62		
June 22...	Peter Sherlock.....	56		
July 4....	Joseph H. McCabe.....	35		
July 16...	James Walker.....	79	5	18
July 24...	Barbara I. Bridgford.....		1	3
July 31...	Nelson Alexander.....		4	9
Aug. 1....	Mary Reagan.....		4	28
Aug. 7....	Norah Sullivan.....	46		
Aug. 8....	Clarissa Boardman.....	85	1	5
Aug. 12...	Charles K. Parkhurst.....		8	17
Aug. 18...	Lucy C. W. Long.....	68	10	3
Aug. 23...	Timothy D. Butters.....	63	10	3
Aug. 24...	John T. Jones.....	17	4	21
Sept. 1...	Ellen (Lyons) Brady.....	26		
Sept. 22...	Hannah (Pulsifer) Nichols.....	43	5	11
Sept. 22...	John Campbell.....	84	7	
Oct. 5....	Fred Ignatius Tyler.....	18	2	
Oct. 9....	William S. Woodward.....	36	11	21
Nov. 3....	Walter J. Fallon.....			6
Nov. 7....	Lucy A. Emerson.....	71	1	2
Dec. 6....	Jessie A. Burdett.....	20	5	16
Dec. 6....	Caroline H. Pearl.....	81	8	9
Dec. 25...	John Parkhurst.....	81	5	22
Dec. 28...	Albina M. Allen.....	69	9	15

Whole number, 49.

Males, 23.

Females, 26.

DOG LICENSES.

EAST CAMBRIDGE, MASS., June 4, 1888.

Received of George A. Parkhurst, Town Clerk of Chelmsford, Mass., one hundred and one dollars and forty cents, on account of dog licenses as per his return of June 2, 1888.

\$101.40.

J. O. HAYDEN, *County Treasurer.*

EAST CAMBRIDGE, MASS., Dec. 1, 1888.

Received of George A. Parkhurst, Town Clerk of Chelmsford, Mass., two hundred and seventy-nine dollars, on account of dog licenses as per his return of Nov. 30, 1888.

\$279.00.

J. O. HAYDEN, *County Treasurer.*

Number of dogs licensed.....	193
Males.....	182
Females.....	11
Amount received for licenses	\$419 00
Amount of fees (20 cents per license).....	38 60
Paid to the County Treasurer.....	380 40
Ninety-four per cent refunded	357 58

GEO. A. PARKHURST,

Town Clerk.

REPORT OF THE TOWN TREASURER

For the Year ending Feb. 28, 1889.

Your Treasurer charges himself with balance in treasury, as found at last annual settlement..... \$ 687 43

Cash received as follows:

State Treasurer, as State Aid for 1887.....	448 50
Relief to Indigent Soldiers and Sailors.....	42 50
Corporation Tax for 1887.....	208 75
" " 1888.....	1,312 29
National bank tax for 1888.....	1,337 92
Armory rent.....	150 00
Income Massachusetts school fund,	163 36
Revenue school fund.....	223 12
County Treasurer, on account of dog licenses for 1888,	357 58
City of Lowell, on account of aid to pauper.....	40 86
Town of Truro, on account of aid to pauper.....	5 00
Matthias Hutchins, on account of hospital bills.....	170 07
George F. Snow, on account of sale of school books and supplies.....	22 40
J. Adams Bartlett, on account of tuition of non-resident pupils.....	8 25
R. S. Ripley, on account of tuition of non-resident pupils.....	12 20
R. S. Ripley, on account of use of school room.....	75
Susie M. Emerson, on account of error in school bill..	9 00
N. B. Edwards, on account of sale of lots in cemetery at North Chelmsford.....	35 00
Dawson Pollard, on account of sale of lots in cemetery at West Chelmsford	17 00

Amount carried forward..... \$5,251 98

<i>Amount brought forward</i>	\$5,251 98
George E. Spalding, on account of use of Town Hall at North Chelmsford.....	38 00
Albion J. Lamphere, on account of use of Town Hall at Center.....	24 50
L. K. Howard, as proceeds of sale of Parker wood lot (so called).....	112 00
Lyman S. Gale, on account of sale of wood.....	5 00
A. H. Sheldon, tax of 1886, in full.....	91 96
A. H. Sheldon, as interest on same.....	9 11
Wm. L. Gordon, on account of tax of 1887.....	968 06
Wm. L. Gordon, as interest on same.....	54 73
Wm. L. Gordon, on account of tax of 1888.....	12,739 12
Wm. L. Gordon, as interest on same.....	75 80
Overseers of Poor, as cash proceeds of Town Farm...	685 14
Hired for use of Town, as temporary loan.....	4,500 00
	<hr/>
Making a total of.....	\$24,555 40
	<hr/> <hr/>

And is credited as follows :

By cash paid State tax for 1888.....	\$ 2,070 00
State Treasurer, on account of pauper..	40 86
Outstanding order.....	36 00
Orders drawn present year.....	18,099 56
Care of Kimball lot, Center cemetery...	5 00
On account of temporary loan.....	4,000 00
As interest on same.....	105 53
Balance in treasury, as found on settlement	198 45
	<hr/>
	\$24,555 40
	<hr/> <hr/>

E. H. WARREN, *Treasurer.*

CHELMSFORD, March 6, 1889.

REPORT OF THE ASSESSORS

For the Year ending Feb. 28, 1889.

VALUATION MAY 1, 1888.

Real estate (resident).....	\$1,135,255 00	
Real estate (non-resident).....	196,775 00	
	<hr/>	\$1,332,030 00
Personal estate (resident).....	\$268,035 00	
Personal estate (non-resident).....	2,500 00	
	<hr/>	270,535 00
Total valuation.....		<hr/> <hr/> \$1,602,565 00

Number of polls	649
assessed on polls only,	225
assessed on property...	780
Total number assessed.....	1,001
Number of horses assessed.....	449
cows assessed.....	1,050
swine assessed.....	150
dwellings assessed...	577
acres of land assessed,	14,132

TAXES.

Rate on \$1000, \$9.00. Polls \$2.00 each.		
State tax.....	\$2,070 00	
County tax.....	1,161 54	
	<hr/>	\$3,231 54
<i>Amount carried forward.....</i>		<hr/> <hr/> \$3,231 54

<i>Amount brought forward</i>		\$ 3,231, 54
Appropriation for public schools....	\$5,000 00	
school incidentals....	400 00	
text-books and supplies	500 00	
support of the poor...	1,800 00	
highways.....	4,000 00	
repairs of public buildings	300 00	
indigent soldiers and sailors	100 00	
town officers and committees	850 00	
collection and abatement of taxes....	300 00	
attorneys' fees.....	250 00	
enforcement of liquor law.....	150 00	
care cemeteries.....	300 00	
well and pump, district four.....	50 00	
bank wall and grading, district nine,	400 00	
transcribing records, etc	100 00	
closets for school books, and sinks for school-rooms..	200 00	
changes in Center town hall.....	500 00	
miscellaneous expenses.....	300 00	
	<hr/>	15,500 00
		<hr/>
Overlayings		\$18,731 54
		89 54
		<hr/>
		\$18,821 08
Less estimated receipts.....		3,100 00
		<hr/>
Total tax committed.....		\$15,721 08
Tax on 649 polls.....	\$ 1,298 00	
Tax on property.....	14,423 08	
	<hr/>	15,721 08
		<hr/>

MISCELLANEOUS.

Of the three hundred and fifty-one towns and cities in the state, only eighteen had a lower rate of tax than Chelmsford in May, 1888.

Average rate of tax, \$14.68 on \$1000.

Highest rate, \$27.00 on \$1000, in Savoy.

Lowest rate, \$3.90 on \$1000, in Cohasset.

CHARLES W. FLINT,
R. WILSON DIX,
GEORGE F. SNOW,
JOHN Q. BATTLES,
L. K. HOWARD,

Assessors.

COLLECTORS' REPORTS.

Collector's report for the year 1886.

Taxes on list of 1886 uncollected Feb. 29, 1888.....	\$91 96	
Interest on same to Feb. 29, 1888.....	9 11	
	<hr/>	\$101 07
		<hr/>
Cash paid Town Treasurer as tax.....	\$91 96	
“ “ “ “ “ interest...	9 11	
	<hr/>	\$101 07
		<hr/>

ARTHUR H. SHELDON, *Collector, 1886.*

Collector's report for the year 1887.

Taxes on list 1887 uncollected Feb. 28, 1887.....	\$1,029 40	
Interest on same to Feb. 28, 1887.....	30 01	
Interest accrued since Feb. 28, 1887....	30 79	
	<hr/>	\$1,090 20
		<hr/>
Cash paid Town Treasurer as tax.....	\$968 06	
“ “ “ “ “ interest ..	54 73	
Uncollected to new account.....	61 34	
“ interest to new account	6 07	
	<hr/>	\$1,090 20
		<hr/>

WILLIAM L. GORDON, *Collector, 1887.*

Collector's report for the year 1888.

Tax list for 1888.....	\$15,721 08	
Additional taxes.....	32 50	
Interest collected since Oct. 1, 1888.....	75 80	
" accrued on uncollected taxes..	42 44	
	<hr/>	\$15,871 82
		<hr/>
Cash paid County Treasurer as County tax	\$ 1,161 54	
Cash paid Town Treasurer as tax.....	12,739 12	
" " " " " interest ..	75 80	
Uncollected taxes to new account.....	1,852 92	
Accrued interest to new account.....	42 44	
	<hr/>	\$15,871 82
		<hr/>

WILLIAM L. GORDON, *Collector, 1888.*

REPORT OF THE SELECTMEN

For the Year ending Feb. 28, 1889.

PUBLIC SCHOOLS.

PAID FOR TEACHING.

No. 1, Charles H. Bates, 11 weeks.....	\$231 00	
1, E. F. DeNormandie, 21 weeks...	430 00	
1, Laura L. Butterfield, 31 weeks...	279 00	
1, Nellie M. Perham, 11 weeks.....	99 00	
1, Susie M. Emerson, 21 weeks.....	189 00	
1, Carrie L. Adams, 1 week	9 00	\$1,237 00
2, Carrie L. Adams, 10 weeks.....	80 00	
2, Mary M. Burnham, 11 weeks....	88 00	
2, M. Elizabeth Ham, 11 weeks	88 00	256 00
X 3, Gertrude W. Byam, 32 weeks ...	288 00	288 00
4, Helen J. Gookin, 22 weeks.....	187 00	
4, Carrie L. Adams, 10 weeks.....	85 00	272 00
5, Nellie Hadley, 20 weeks	120 00	
5, Orinda A. Perham, 10 weeks	60 00	180 00
6, Susie S. McFarlin, 32 weeks.....	288 00	288 00
7, Grace Saunders, 32 weeks.....	256 00	256 00
8, William A. Woodward, 10 weeks,	210 00	
8, W. F. Parsons, 22 weeks.....	462 00	
8, Addie M. Taylor, 32 weeks.....	288 00	
8, Laura G. Hoyt, 32 weeks.....	288 00	
8, Kate Sleeper, 10 weeks.....	90 00	
8, Angie Campbell, 22 weeks	198 00	1,536 00
9, Ada M. Sheldon, 29 weeks	246 50	
9, Agnes Naylor, 29 weeks	246 50	493 00
Town of Tyngsboro', tuition 3 scholars,	18 00	18 00
		<hr/>
		\$4,824 00

CARE OF SCHOOL-HOUSES.

No. 1, Joseph Elliot	\$69 00	\$ 69 00
2, Wm. E. Fowle	10 50	
2, Henry W. Smith	5 50	
2, Wm. L. Gordon, cleaning	1 00	17 00
3, Lyman A. Byam	16 00	16 00
4, Herman W. Crooker	16 00	
4, Riley Davis	50	16 50
5, Arthur E. Dutton	6 00	6 00
6, Annie Devine, bill of 1887	6 00	
6, Annie Devine	14 25	20 25
7, Wm. Martin	5 50	
7, Elsie Hodson	5 00	
7, Fred L. Fletcher	2 00	
7, Guy E. Reed	3 50	16 00
8, Ripley & Keith	96 00	
8, Ripley & Keith, cleaning	2 50	98 50
9, John Dunn	2 75	
9, Mary Coburn	12 75	
9, Mary Coburn, care and cleaning ..	7 62	23 12
		<hr/>
		\$282 37

FUEL.

No. 1, H. L. Parkhurst, 41,850 lbs. coal ..	\$151 53	\$151 53
2, E. F. Richardson, 4 cords wood ..	20 25	
2, Thomas Sheehan, preparing wood,	5 00	25 25
3, Warren Blaisdell, 8 ft. oak wood ..	6 00	
3, F. C. Byam, preparing kindlings ..	4 00	10 00
4, Riley Davis, wood and kindlings ..	1 75	
4, E. L. Russell, prepared oak wood,		
4 cords	23 64	
4, E. L. Russell, prepared pine wood,		
2 cords	7 00	
4, Herman W. Crooker, piling wood,	1 25	33 64
5, E. E. Dutton, wood, 20 ft.	10 00	10 00
6, B. P. Marshall, prepared wood,		
2 cords	10 00	
6, B. P. Marshall, prepared oak		
wood, $\frac{1}{2}$ cord	3 50	
6, H. H. Hanson, prepared oak wood,		
2 cords	14 00	27 50
7, Robert Fletcher, 25 ft. wood	14 50	
7, Wm. E. Martin, prepared wood ..	3 00	17 50
		<hr/>
<i>Amount carried forward</i>		\$275 42

<i>Amount brought forward</i>		\$275 42
No. 8, S. P. Sampson, wood, 18 cords..	\$90 75	
8, Ripley & Keith, preparing wood.	9 00	
8, Ralph Ripley, housing wood.....	4 50	104 25
9, William C. Edwards, oak wood, 7 cords.....	35 00	
9, John Dunn, preparing wood.....	5 25	40 25
		<hr/>
		\$419 92

SCHOOL INCIDENTALS.

George F. Snow, Superintendent.....	\$200 00	\$200 00
William L. Gordon, services as secretary school board.....	10 00	10 00
U. S. & Canada Express, express on book supplies... ..	12 00	12 00
No. 1, Adams & Co., school chairs.....	16 50	
1, City of Lowell, repairing black- boards.....	9 40	
1, F. G. Pratt, setting glass.....	3 37	
1, Charles E. Parkhurst, labor and material, 1887.....	2 05	
1, Bartlett & Dow, hardware.....	3 45	
1, E. S. Peavey, supplies and labor for blackboards... ..	10 85	
1, James P. Emerson, labor.....	3 00	
1, E. R. Marshall, repairs.....	1 15	49 77
2, City of Lowell, labor and stock for blackboard.....	4 38	
2, William L. Gordon, repairs.....	3 40	7 78
3, Lyman A. Byam, curtains, etc...	4 30	4 30
4, Riley Davis, repairs.....	2 23	
4, George E. Emerson, setting glass, curtains, etc.....	9 00	
4, E. R. Marshall, repairs.....	25	11 48
5, E. E. Dutton, repairs.....	7 55	
5, George O. Byam, repairs on well,	6 50	
5, George H. Holt, pump.....	14 00	28 05
6, T. S. Edmonds, extra services as school committee, 1887.....	10 00	
6, Orrin Pierce, labor and supplies..	3 25	
6, Jerry Ryan, labor and supplies...	4 28	
6, Daniel Green, plastering and tint- ing.....	9 00	
6, R. Wilson Dix, supplies.....	68	27 21
		<hr/>
<i>Amount carried forward</i>		\$350 59

<i>Amount brought forward</i>		\$350 59
No. 7, Robert Fletcher, supplies.....	\$ 3 15	3 15
8, Charles E. Adams, duster.....	2 75	
8, Ripley & Keith, repairs and supplies.....	4 18	
8, Eugene N. Morrill, shades.....	7 50	
8, L. A. Derby & Co., bells.....	5 00	
8, D. H. Bemis & Co., gymnasium..	7 00	26 43
9, William C. Edwards, repairs....	14 19	
9, M. H. Winship, supplies.....	1 72	
9, J. J. Hoyt, whitewashing.....	11 25	
9, George F. Snow, material and labor on fence.....	4 00	31 16
		<hr/>
		\$411 33

SCHOOL TEXT-BOOKS AND SUPPLIES.

Harper & Bros., books and supplies....	\$68 08	
George S. Perry, supplies.....	36 59	
Thompson, Brown & Co., books and supplies.....	36 86	
Houghton, Mifflin & Co., books.....	5 06	
Lee & Shepard, books.....	7 69	
Educational Publishing Co., books and supplies.....	3 77	
F. M. Ambrose, books.....	52 09	
C. F. Stearns, books.....	1 28	
Boston School Supply Co., books and supplies.....	73 83	
Ginn & Co., books.....	9 71	
George F. King & Merrill, supplies....	20 48	
Warren P. Adams, books.....	4 17	
A. S. Barnes & Co., books.....	42 35	
William Ware & Co., books.....	8 24	
E. H. Butler & Co., books.....	3 59	
Leach, Sherwell & Sanborn, supplies...	6 60	
Cowperthwait & Co., books.....	9 35	
William M. Sargent, supplies.....	34 10	
Eastern Educational Bureau, supplies...	12 00	
Prang's Educational Co., books.....	7 20	
Harry Raynes, clocks.....	2 50	
Harrison Hume, books.....	9 46	
J. Merrill & Son, supplies....	6 85	
Thomas Hall, supplies.....	1 80	
Christopher Sower Co., books.....	7 92	
George F. Snow, services and expenses buying and delivering books.....	50 00	
	<hr/>	\$521 57

CLOSETS FOR SCHOOL-BOOKS, AND SINKS FOR SCHOOL-ROOMS.

Dist. 1, 3 book-cases and one table.....	\$59 05	
2, 1 book-case.....	9 50	
3, 1 book-case.....	8 50	
4, 1 sink.....	4 25	
6, 1 book-case.....	11 00	
7, 1 book-case and sink.....	13 79	
8, 5 book-cases.....	61 00	
9, 2 book-cases.....	23 00	
Services of committee.....	6 00	
	<hr/>	\$196 09

BANK WALL AND GRADING SCHOOL-HOUSE LOT, DISTRICT NINE.

Herbert E. Fletcher, for material, and building wall and grading.....	\$350 00	
J. J. Dunn, for teaming.....	24 00	
George Morton, for loam.....	5 00	
J. W. Mason, for loam and labor.....	9 00	
George F. Snow, for labor and expense..	9 20	
J. G. Rogers & Co., for grass seed.....	1 80	
Josiah Butman, for fertilizer.....	1 00	
	<hr/>	\$400 00

WELL AND PUMP, SCHOOL DISTRICT FOUR.

George O. Byam, digging well, 13 feet, at \$2.50	\$32 50	
Riley Davis, labor and material.....	5 75	
Bartlett & Dow, pump.....	4 30	
	<hr/>	\$42 55

SUPPORT OF THE POOR.

PAID FOR EXPENSES OUTSIDE OF THE ALMSHOUSE.

Worcester Asylum for Chronic Insane, in support of Daniel Gilligan.....	\$169 92	\$169 92
Worcester Lunatic Hospital, in support of Ella Hutchins	169 92	169 92
Northampton Lunatic Hospital in sup- port of Laura E. Bailey.....	178 17	178 17
Danvers Lunatic Hospital, in support of Catherine McMahon and Robert D. Davidson	335 33	335 33
	<hr/>	<hr/>
<i>Amount carried forward.....</i>		\$853 34

<i>Amount brought forward</i>		\$853 34
St. John's Hospital, in support of Thomas Lawler.....	\$104 56	
J. L. Chalifoux, clothing, in aid Thomas Lawler	10 00	114 56
City of Lowell, in aid of children of Eliz- abeth Donahoe.....	48 50	
City of Lowell, in aid of Annie Sherlock,	2 75	51 25
City of Worcester, in aid of Joseph Holland	98 57	98 57
City of Boston, in aid of Asenath Clapp	81 83	81 83
N. B. Edwards, in aid of Peter Sherlock,	17 50	
N. B. Edwards, in aid of Jonathan Hop- kins	5 00	22 50
E. Shaw & Son, in aid of Mrs. James McEnnis	63 02	
E. Shaw & Son, in aid of Peter Sher- lock.	39 75	
E. Shaw & Son, in aid of Jeremiah Crowley	7 25	110 02
Amasa Howard, in aid of Mrs. St. Amore, bill 1886.....	13 50	
Amasa Howard, in aid of Albert Kemp,	61 33	
Amasa Howard, in aid of Chas. E. Perry,	3 50	
Amasa Howard, in aid of Jonathan Hopkins	4 50	82 83
Mrs. Henry Heald, in aid of family of Albert Kemp	17 00	17 00
Mrs. Eliza Wright, in aid of family of Albert Kemp.....	5 00	5 00
Jennie M. Hubbard, in aid of tramps, bill 1887.....	10 00	
Jennie M. Hubbard, in aid of tramps,	10 50	20 50
George F. Suow, in aid of outside poor,	2 75	2 75
L. K. Howard, in aid of Alice Smith...	3 17	
Charles W. Flint, in aid of Alice Smith,	2 25	5 42
Charles W. Flint, in aid of Charles Jerow	1 30	1 30
		<hr/>
		\$1,466 87

EXPENSES AT ALMSHOUSE.

N. C. Bean, Superintendent, 1 month...	\$ 33 09	
H. H. Hanson, Superintendent, 11 mos..	297 16	\$330 25
H. H. Hanson, hens.....	9 60	
H. H. Hanson, sundries.....	17 04	26 64
		<hr/>
<i>Amount carried forward</i>		\$356 89

<i>Amount brought forward</i>		\$356 89
E. N. Wood, grain.....	\$ 4 21	
Dutton Bros., grain.....	362 17	366 38
Dutton Bros., ice.....	19 51	19 51
N. C. Bean, hay, 1475 lbs.....	6 75	
M. F. Parkhurst, hay, 4765 lbs.....	19 06	
Miss Winn, hay, 1595 lbs.....	6 38	
J. M. Fletcher, standing grass.....	25 00	57 19
G. A. Coburn, straw.....	1 50	1 50
E. W. Sweetser, meat and provisions....	260 70	
Smart & Frost, meat and provisions....	207 94	
H. E. Noyes, provisions.....	38 70	
S. P. Pike, meat and provisions.....	17 29	524 63
S. W. Parkhurst, groceries.....	432 71	432 71
Phebe Adams, butter... ..	88 51	88 51
F. Severance, crackers.....	24 85	24 85
Harry L. Parkhurst, coal, 18,000 lbs....	54 00	54 00
Wm. L. Gordon, taxes.... ..	52 02	52 02
L. K. Howard, labor.....	13 75	
Hattie A. Bean, labor.....	17 16	
Eliza Henderson, labor.....	69 00	
T. H. Rowell, labor.....	2 50	
Martha Hall, labor.....	6 00	
John Thompson, labor.....	70 00	
James Howard, labor.....	2 50	180 91
Bartlett & Dow, hardware.....	7 79	
Frederick Taylor & Co., hardware.....	50	8 29
C. E. Parkhurst, screen doors.....	12 71	12 71
Cook, Taylor & Co., dry goods.....	8 43	
J. E. Shanley, dry goods.....	4 15	12 58
Talbot & Co., clothing.....	4 52	
E. K. Fiske, clothing.....	1 50	6 02
L. H. Boardman, boots.....	1 00	
Joseph Morel, boots.....	2 50	
Carl A. Sylvander, boots.....	2 60	6 10
D. C. Perham, bull.....	16 00	16 00
D. C. Perham, balance between cows...	30 00	
D. C. Perham, balance between cows....	25 00	
E. C. Perham, balance between cows....	10 00	65 00
E. C. Perham, two pigs and butchering.	13 75	13 75
Edward Spaulding, one cow.....	20 00	20 00
A. L. Brooks, lumber for shed.....	17 08	
E. H. Warren, lumber for shed.....	4 80	21 88
John Wozencroft, blacksmithing.....	26 70	
T. B. Chapman, blacksmithing.....	50	27 20
<i>Amount carried forward</i>		\$2,368 63

<i>Amount brought forward</i>		\$2,368 63
John S. Shedd, repairs.....	\$ 3 30	
James Stanley, repairs clocks.....	3 25	
George H. Holt, repairs pump.....	2 50	
Chelmsford Foundry Co., repairs.....	1 00	10 05
T. W. Lane, democrat wagon.....	65 00	65 00
C. H. Hanson, harness.....	20 25	
H. F. Ebert, harness supplies.....	2 15	
E. Nettel, harness oil.....	1 25	23 65
Geo. A. Parkhurst, dog license.....	2 00	2 00
B. & M. Railroad, freight.....	2 60	
Old Colony Railroad, freight.....	50	3 10
W. F. Robinson, boiler.....	4 00	4 00
F. & E. Bailey, medicine.....	35	
E. H. Chamberlain, medical aid.....	1 50	
G. P. Wood, medical aid.....	2 00	3 85
Mary Robinson, nursing.....	4 00	
A. C. Stevens, nursing-bottle.....	25	4 25
J. D. Mason, intelligence office.....	1 00	1 00
C. A. Robinson, fish.....	34 91	34 91
John E. Stevens, vinegar.....	4 00	4 00
P. M. Jefferson, soap.....	2 60	2 60
F. A. Marshall, 1 barrel turnips.....	1 00	1 00
Boston Branch Grocery, feed.....	1 65	1 65
H. Bechard, berries.....	75	75
French & Puffer, crockery.....	1 98	1 98
John P. Eaton, use of horse.....	1 50	
F. W. Worthen, use of oxen.....	2 00	3 50
F. H. Austin, ladders.....	6 30	6 30
Alfred Gordon, cotton waste.....	4 95	4 95
A. W. Ober, hulled corn.....	42	42
C. F. Hathaway, tin sign for wagon.....	50	50
John B. Gates, garget cure.....	3 00	3 00
Henry S. Perham, wood.....	14 16	14 16
City of Lowell, two pigs.....	11 00	11 00
City of Lowell, swill license.....	5 00	
City of Lowell, swill.....	1 25	
Mrs. Carley, swill.....	10 00	
Mrs. Ward, swill.....	9 00	25 25
A. W. Mack & Co., stove grate.....	1 50	1 50
Wm. Kelley & Son, sash and glass.....	1 50	1 50
N. A. Glidden, 2 ducks.....	2 00	2 00
J. V. Keyes, dry goods.....	2 40	2 40
R. Wilson Dix, services and expenses as overseer.....	30 00	
<i>Amounts carried forward</i>	\$30 00	\$2,608 90

<i>Amounts brought forward</i>	\$30 00	\$2,608 90
Chas. W. Flint, services and expenses as overseer.....	30 50	
John Q. Battles, services and expenses as overseer.....	5 50	
Geo. F. Snow, services and expenses as overseer.....	6 00	
L. K. Howard, services and expenses as overseer.....	16 50	88 50
		<hr/>
		\$2,697 40
Proceeds of Town farm	\$685 14	
12,660 lbs. hay used by road horses and charged to highways.....	106 60	
Board of men employed on highways, 171 weeks, at \$3.25 per week.....	555 75	
	<hr/>	1,347 49
		<hr/>
Total expense of poor at almshouse.		\$1,349 91
		<hr/>
Paid for aid outside poor.....		\$1,466 87
Received on account outside poor :		
City of Lowell, on account of aid Chas. E. Perry.....	\$ 40 86	
Town Truro, on account of aid Jona. Hopkins	5 00	
Matthias Hutchins, hospital bills.....	170 07	
	<hr/>	215 93
		<hr/>
Expense outside poor.....		\$1,250 94
Expense poor at almshouse.....		1,349 91
		<hr/>
		\$2,600 85

Inmates, 10; males, 4; females, 6; tramps, 560.

R. WILSON DIX,
CHAS. W. FLINT,
JOHN Q. BATTLES,
GEO. F. SNOW,
L. K. HOWARD,

Overseers.

There is an increase in value of stock and hay at the farm of \$431.77.

APPRAISAL OF PERSONAL PROPERTY AT ALMS-
HOUSE, CHELMSFORD, MASS., MARCH 1, 1889.

6 tons English hay	\$120 00
6 tons stock hay	84 00
4 tons meadow hay	36 00
21 swine	132 00
20 cords manure	100 00
1 democrat wagon	75 00
1 carriage harness	20 00
1 lap robe	5 00
1 buffalo robe	10 00
1 farmer's boiler	4 50
1 horse sled	3 00
Whiffletrees and yoke	5 00
1 heavy harness	10 00
1 set double harness	15 00
7 cows	243 00
1 bull	18 00
1 black mare	75 00
1 black horse	150 00
2 horse blankets	3 00
2 harrows	10 00
2 cultivators	6 00
4 plows	20 00
1 mowing machine	20 00
1 grindstone	2 50
1 wheelbarrow	3 00
1 horse rake ..	12 00
50 fowls	25 00
Hay wagon	25 00
Square wagon	40 00
Horse cart	25 00
1 cart harness	7 00
1 pung	8 00
1 two-horse cart	20 00
3 ladders	6 50
Lot farming tools	24 80
Household furniture	250 79
Provisions and supplies	233 96
	<hr/>
	\$1,848 05

J. P. EMERSON,
D. P. BYAM,
ELISHA H. SHAW,

Appraisers.

HIGHWAYS.

Dutton Bros., grain.....	\$229 03	
E. Shaw & Son, hay and grain.....	57 92	\$286 95
S. W. Parkhurst, tools and supplies.....	26 82	
Bartlett & Dow, tools and supplies.....	18 50	45 32
Jahn Wozencroft, blacksmithing, axles, and wheels.....	131 40	
Durant & Son, blacksmithing.....	13 36	
D. A. Polley, blacksmithing.....	5 75	150 51
C. H. Hanson & Co., difference between horses	350 00	
C. H. Hanson & Co., one horse.....	220 00	
C. H. Hanson & Co., blankets.....	22 00	
C. H. Hanson & Co., 928 lbs. hay.....	9 28	601 28
L. K. Howard, 2288 lbs. hay.....	22 90	
John Ward, 4130 lbs. hay.....	39 43	62 33
H. F. Ebert, 2 sets double harness.....	150 00	
H. F. Ebert, supplies.....	1 75	151 75
J. M. Hubbard, boarding road-men.....	130 00	
J. M. Hubbard, rent of barn.....	3 00	133 00
Breaking roads:		
H. R. Hodson.....	10 50	
G. F. Wright.....	2 55	
George A. Byam.....	1 80	
George Mansfield.....	10 60	
George O. Spaulding.....	9 45	
William Z. Dupee.....	4 95	
B. J. Spaulding.....	2 40	
J. J. Dunn.....	4 20	
E. E. Dutton.....	6 50	
B. O. Robbins.....	21 07	
William Redmond.....	10 80	
Walter R. Winning.....	1 80	
Charles H. Cook.....	1 28	
Thomas Harruk.....	1 02	
James H. Hazen.....	9 50	
A. M. Blaisdell.....	1 25	
Edward Doherty.....	5 75	
William Russell.....	30	
Matthew Dunn.....	2 25	
L. J. Mansfield and others.....	31 47	
John Marinel, Jr.....	39 38	
Theodore Marinel.....	8 62	
David Russell.....	3 15	
O. H. Hale.....	3 52	
George Patch.....	2 85	
G. B. Wright.....	6 75	
<i>Amounts carried forward.....</i>	<i>\$203 71</i>	<i>\$1,431 14</i>

<i>Amounts brought forward</i>	\$203 71	\$1,431 14
J. P. Emerson.....	7 00	
E. Shaw & Son.....	9 76	
J. W. Mason.....	22	220 69
J. W. Mason, labor.....	4 50	
Joseph P. Winn, labor.....	1 00	
James B. Coburn, labor.....	2 65	
R. Wilson Dix, labor—men and teams..	35 00	43 15
Luther Blodgett, 60 loads gravel.....	4 80	
E. F. Richardson, 160 loads gravel.....	8 00	
Jacob Spaulding, 160 loads gravel.....	8 00	
B. M. Hildreth, 150 loads gravel.....	7 50	28 30
Ann Eliza Hunt, chestnut timber.....	7 00	
W. S. Parker, chestnut timber.....	3 00	10 00
E. H. Warren, lumber for shed.....	5 16	
A. L. Brooks & Co., lumber for shed...	11 72	16 88
David Perham, plank.....	35 00	35 00
E. Nettel, axle grease.....	2 40	2 40
John S. Shedd, repairs.....	3 60	
M. Robbins, repairs.....	4 25	7 85
James P. Emerson, bridge stone.....	3 00	3 00
Lyman S. Gale, use of horse 8 days.....	10 00	
Lyman S. Gale, 1 cart.....	42 00	52 00
Highway pay-roll, March.....	117 15	
April.....	164 54	
May.....	155 46	
June.....	151 77	
July.....	132 57	
August.....	146 75	
September.....	121 73	
October.....	129 81	
November.....	137 35	
December.....	125 00	
January.....	129 81	
February.....	114 94	1,626 88
		<hr/>
		\$3,477 29
Carried to Account of Poor, for board 171 weeks, at \$3.25 per week.....	\$555 75	
Carried to Account of Poor, 8960 lbs. hay,	89 60	645 35
		<hr/>
		\$4,122 64
Less Highway bill—cart and horse for town farm.....		200 00
		<hr/>
		\$3,922 64

Highway pay-roll includes salary paid highway surveyor, at \$2.00 per day.

APPRAISAL OF HIGHWAY TEAMS AND TOOLS AT
CHELMSFORD, MASS., MARCH 1, 1889.

1 one-horse cart.....	\$ 42 00
2 horses.....	200 00
2 horses.....	450 00
2 sets double harnesses.....	140 00
1 two-horse cart.....	100 00
1 two-horse cart.....	75 00
4 horse blankets.....	20 00
4 feed bags.....	4 00
1 Spreace chain.....	1 25
1 Kimball road scraper.....	100 00
2 two-horse sleds.....	80 00
5 iron bars.....	5 00
Powder, can, and fuse.....	1 00
7 stone hammers.....	7 00
21 stone drills.....	15 00
3 whips.....	2 00
14 picks.....	12 00
7 shovels.....	5 00
3 steel wedges.....	1 25
2 bog hoes.....	1 50
3 horse pails.....	50
3 lanterns.....	1 50
1 axe.....	75
2 bush hooks.....	1 00
Hames and chains.....	3 50
4 halters, \$2.00. Feed box, \$1.50.....	3 50
Wrenches, sponges, and brushes.....	5 00
Lot tools.....	6 75
2 heavy chains.....	3 50
2 ploughs, 2 scrapers.....	24 00
Drag plank, etc.....	3 50
1 jigger.....	50 00
Set cart-shafts, yokes, and whiffletrees..	13 50
English hay.....	25 00
Straw.....	5 00
Hay cutter.....	7 00
	<hr/>
	\$1,416 00

J. P. EMERSON,
D. P. BYAM,
ELISHA H. SHAW,

Appraisers.

ALTERATIONS IN CENTER TOWN HALL.

Almon W. Holt, labor and material.....	\$430 00	
Charles E. Parkhurst, plans and specifications	5 00	
George H. Holt, pump, pipe, and labor..	65 00	
	<hr/>	\$500 00

REPAIRS OF PUBLIC BUILDINGS.

Crawford Burnham, shingles, district three	\$26 80	
A. L. Brooks & Co., fence material, district three	30 41	
Amos B. Adams, chestnut posts, district three	3 64	
Amasa Pratt, shingles and lumber, district three	31 05	
John Q. Battles, labor and material, district three	24 80	
N. E. Parker, labor, district three.....	21 22	\$137 92
C. B. Coburn & Co., paints and oil, town hall, North Chelmsford.....	53 29	
William H. Brown, labor painting town hall, North Chelmsford.....	76 59	
Charles W. Flint, services and expenses, town hall, North Chelmsford.....	3 00	132 88
George E. Spaulding, repairs, town hall, North Chelmsford.....	4 86	4 86
A. J. Lamphere, repairs, Center town hall.....	4 10	4 10
	<hr/>	\$279 76

CARE AND IMPROVEMENT OF CEMETERIES.

Center, R. Wilson Dix, labor	\$45 80	
L. K. Howard, labor.....	9 00	
Frank St. Amour, labor.....	10 00	
John Keats, labor,.....	4 37	
James P. Burnham, labor.....	1 50	
David Perham, horse.....	1 50	
Horace Holt, painting hearse house	25 00	\$97 17
North, Arthur H. Sheldon, labor and expenses	12 21	12 21
	<hr/>	
<i>Amount carried forward.....</i>		\$109 38

<i>Amount brought forward</i>		\$109 38
South, Daniel P. Byam, labor.....	\$ 8 50	8 50
West, George W. Bussey, labor.....	3 60	
Dawson Pollard, labor.....	50	
George F. Snow, labor and ex- pense.....	3 00	7 10
George H. Richardson, thirty standards for graves of sol- diers.....	17 50	17 50
		<hr/>
		\$142 48

COLLECTION AND ABATEMENT OF TAXES.

Arthur H. Sheldon, collection of balance of taxes for 1886.....	\$ 1 49	
Arthur H. Sheldon, abatements for 1886,	23 01	\$ 24 50
William L. Gordon, collecting, 1887-88,	179 43	
William L. Gordon, abatements 1887-88,	104 98	284 41
		<hr/>
		\$308 91

STATE AID.

Paid under chapter 301, statutes of 1879,	\$546 00	
Paid under chapter 252, statutes of 1879,	60 00	
	<hr/>	\$606 00

ENFORCEMENT OF LIQUOR LAW.

Paid Alfred Day, services and expenses,	\$54 50
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ATTORNEYS' FEES.

Paid D. S. & G. F. Richardson, legal services to March 21, 1888	\$250 00
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TOWN OFFICERS AND COMMITTEES.

Paid E. H. Warren, services and expenses as treasurer.....	\$75 00	\$ 75 00
George A. Parkhurst, services and expenses as town clerk.....	58 92	58 92
George A. Parkhurst, services and expenses as registrar.....	12 60	
	<hr/>	<hr/>
<i>Amounts carried forward</i>	\$12 60	\$133 92

<i>Amounts brought forward</i>	\$12 60	\$133 92
Paid N. B. Edwards, services and expenses as registrar.....	10 50	
L. M. Dutton, services and expenses as registrar.....	10 50	
N. C. Saunders, services and expenses as registrar.....	1 50	
J. H. Vincent, services and expenses as registrar.....	1 50	36 60
E. T. Adams, services as warden, Precinct 1.....	3 00	
E. R. Marshall, services as warden, Precinct 1.....	3 00	
J. E. Warren, services as clerk, Precinct 1.....	3 00	
J. P. Emerson, services as constable, Precinct 1.....	3 00	12 00
Arthur H. Sheldon, services as warden, Precinct 2.....	3 00	
C. H. Dutton, services as warden, Precinct 2.....	3 00	
Fred K. Ripley, services as clerk, Precinct 2.....	3 00	9 00
A. G. Parkhurst, services as warden, Precinct 3.....	3 00	
William Kiernan, services as warden, Precinct 3.....	3 00	
M. H. Winship, services as clerk, Precinct 3.....	3 00	
J. H. Whidden, services as constable, Precinct 3.....	3 00	12 00
L. K. Howard, services as selectman.....	85 50	
L. K. Howard, expenses as selectman.....	12 80	98 30
Charles W. Flint, services as selectman.....	58 20	
Charles W. Flint, expenses as selectman.....	21 30	79 50
R. Wilson Dix, services as selectman.....	26 00	
R. Wilson Dix, expenses as selectman.....	12 00	38 00
John Q. Battles, services as selectman.....	40 00	
John Q. Battles, expenses as selectman.....	15 00	55 00
<i>Amount carried forward</i>		\$474 32

<i>Amount brought forward</i>		\$474 32
Paid George F. Snow, services as select- man	\$45 00	
George F. Snow, expenses as select- man	15 00	60 00
Charles W. Flint, services as as- sessor.....	90 00	
Charles W. Flint, expenses as as- sessor.....	12 00	102 00
R. Wilson Dix, services as assessor,	25 50	
R. Wilson Dix, expenses as assessor,	9 00	34 50
John Q. Battles, services as as- sessor.....	25 00	
John Q. Battles, expenses as as- sessor.....	10 00	35 00
George F. Snow, services as as- sessor.....	30 00	
George F. Snow, expenses as as- sessor.....	10 00	40 00
L. K. Howard, services as assessor..	38 00	
L. K. Howard, expenses as assessor,	3 00	41 00
James P. Emerson, services as con- stable.....	14 20	14 20
John H. Whidden, services as con- stable.....	5 00	5 00
Alfred Day, services as constable...	3 50	
Alfred Day, services enforcing dog law.....	12 76	16 26
George E. Spaulding, services as truant officer.....	7 50	7 50
James P. Emerson, D. P. Byam, and E. H. Shaw, services as ap- praisers	9 00	9 00
Ziba Gay, E. F. Richardson, and Henry S. Perham, services as auditors....	9 00	9 00
		<hr/>
		\$847 78.

MISCELLANEOUS EXPENSES.

Vox Populi Press, printing 700 of Town and School Reports.....	\$57 75
Vox Populi Press, 20 badges for firewards,	5 75
Vox Populi Press, printing election war- rants and posters	6 50
	<hr/>
<i>Amount carried forward</i>	\$70 00

<i>Amount brought forward</i>	\$70 00	
Alvin R. Saunders, printing license ballots,	65	
Alvin R. Saunders, paper and printing..	3 50	
Bachelor, Dumas & Co., 15 assessors' in-		
voice books	4 50	\$78 65
Expenses of fire inquest, burning of H.		
C. Barker building.....	97 00	97 00
Geo. A. Parkhurst, posters and making		
deed, sale of Parker wood lot.....	2 25	2 25
O. W. Woodward, pump at West Chelms-		
ford	3 00	3 00
Albion J. Lamphere, care Center town		
hall.....	25 00	
Albion J. Lamphere, cleaning Center		
town hall.....	4 32	
Staples Bros., drain pipe, Center town		
hall.....	4 10	
A. W. Holt, building coal-bin, Center		
town hall.....	7 75	
S. W. Parkhurst, supplies, Center town		
hall.....	1 42	
L. K. Howard, expense and labor, Cen-		
ter town hall.....	2 50	
Frank St. Amour, labor, Center town		
hall	2 00	
W. A. Mack & Co., repairing furnaces,		
Center town hall.....	2 50	49 59
Geo. E. Spaulding, care, warming, and		
lighting armory and town hall at		
North Chelmsford for cavalry, bill		
of 1888.....	42 00	42 00
Geo. E. Spaulding, care, warming, and		
lighting armory and town hall, North		
Chelmsford, for cavalry.....	49 50	49 50
Selectmen, perambulating town lines and		
renewing bounds between Chelms-		
ford and Lowell, Carlisle, Westford,		
and Tyngsboro'.....	38 00	38 00
Amasa Howard, reporting 6 births, 1886,	1 50	1 50
Arthur H. Sheldon, reporting 13 deaths.	3 25	
L. K. Howard, reporting 14 deaths.....	3 50	
Dawson Pollard, reporting 6 deaths.....	1 50	
Daniel P. Byam, reporting 4 deaths.....	1 00	9 25
		<hr/>
		\$370 74

AGGREGATE OF APPROPRIATIONS, RECEIPTS, AND EXPENDITURES.

ACCOUNTS.	Appropriations.	Expenditures.	Surplus.	Deficit.
Schools, appropriation	\$5,000 00			
School fund.....	163 36			
School fund revenue..	223 12			
Dog tax.....	357 58			
Tuition non-resident pupils.....	20 45			
Use of school-room and error in bill.....	9 75			
Teaching.....		\$4,824 00		
Care of houses.....		282 37		
Fuel		419 92	\$247 97	
School incidentals.....	400 00	411 33		\$ 11 33
Free text-books, appropriation,	500 00			
Free text-books, receipts.....	22 40	521 57	83	
Support of poor, appropriation,	1,800 00			
Support of poor, receipts.....	901 07	3,501 92		800 85
Highway, appropriation.....	4,000 00			
Highway, receipts.....	205 00	4,139 64	65 36	
State aid, receipts.....	448 50	546 00		97 50
Repairs of public buildings, appropriation	300 00	279 76	20 24	
Relief of indigent soldiers and sailors, appropriation.....	100 00			
Relief of indigent soldiers and sailors, receipts.....	42 50	60 00	82 50	
Town officers and committees, appropriation	850 00	847 78	2 22	
Collection and abatement of taxes, appropriation.....	300 00	308 91		8 91
Miscellaneous expenses, appropriation	300 00			
Miscellaneous expenses, receipts	376 50	370 74	305 76	
Enforcement of liquor law.....	150 00	54 50	95 50	
Attorney's fees.....	250 00	250 00		
Care of cemeteries.....	300 00	142 48	157 52	
Well and pump, District 4.....	50 00	42 55	7 45	
Bank wall and grading, District 9.....	400 00	400 00		
Transcribing records.....	100 00		100 00	
Closets for school-books and sinks for school-rooms....	200 00	196 09	3 91	
Changes in Center town hall...	500 00	500 00		
	\$18,270 23	\$18,099 56	\$1,089 26	\$918 59
		170 67		170 67
	\$18,270 23	\$18,270 23	\$1,089 26	\$1,089 26
Appropriations.....	\$15,500 00	Amount of orders.....	\$18,099 56	
Receipts	2,770 23	Surplus.....	170 67	
	\$18,270 23			\$18,270 23

L. K. HOWARD,
CHARLES W. FLINT,
— R. WILSON DIX,
JOHN Q. BATTLES,
GEORGE F. SNOW,
Selectmen.

AUDITORS' REPORT.

We have examined the account of the Treasurer for the year ending February 28, 1889, and find his receipts and expenditures properly entered and vouched for, and a balance of one hundred and ninety-eight dollars and forty-five cents (\$198.45) in his hands.

We have also examined the vouchers in the hands of the Selectmen, and find bills and receipts amounting to eighteen thousand and ninety-nine dollars and fifty-six cents (\$18,099.56), vouching for the orders drawn by them and paid by the Treasurer.

We find:

Cash in treasury.....		\$ 198 45
Tax of 1887, uncollected.....	\$ 67 41	
Tax of 1888, uncollected.....	1,895 36	1,962 77
Books and supplies.....		146 73

Due from the State:

For State aid to January, 1889.....	526 00	
State aid for January and February,	97 00	
Relief to January, 1889.....	32 50	
Relief for January and February...	5 00	
Armory rent.....	150 00	810 50
		<hr/> \$3,118 45

Note.....	\$500 00	
Kimball fund.....	100 00	
Interest on Kimball fund.....	22 64	
Silver fund.....	100 00	
Interest on Silver fund.....	18 00	
Liabilities (estimated).....	200 00	
Abatements (estimated).....	100 00	1,040 64
		<hr/>

Balance of assets.....	\$2,077 81
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ZIBA GAY, E. F. RICHARDSON, HENRY S. PERHAM,	}	<i>Auditors.</i>
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CHELMSFORD, March 6, 1889.

COMMONWEALTH OF MASSACHUSETTS.

MIDDLESEX SS.

To either of the Constables of the Town of Chelmsford, in said County,
GREETING:

In the name of the Commonwealth aforesaid, you are hereby required to notify the legal voters of said Chelmsford to meet at the Town Hall, at Chelmsford Center, on Monday, the eighteenth day of March current, being the third Monday in said month, at nine o'clock in the forenoon, then and there to act on the following articles, viz :—

ARTICLE 1. To choose a moderator.

ART. 2. To hear reports of town officers and committees, and act thereon.

ART. 3. To determine the manner of collecting the taxes.

ART. 4. To determine the manner of repairing the highways, townways, and bridges.

ART. 5. To choose all necessary town officers.

ART. 6. To act in relation to the list of jurors prepared by the selectmen.

ART. 7. To raise and appropriate such sums of money as may be required to defray town charges for the ensuing year.

ART. 8. To see if the town will authorize the treasurer to borrow such sums of money as may be required for the demands upon him in anticipation of the taxes of the ensuing year, and payable therefrom.

ART. 9. To see if the town will vote to grant licenses for the sale of intoxicating liquors for the current year.

ART. 10. To see if the town will authorize the selectmen to act as their agent in any suit or suits which may arise during the ensuing year.

ART. 11. To see if the town will vote to repair or rebuild the lower bridge over the Stony Brook at North Chelmsford, or act in relation thereto.

ART. 12. To see if the town will, by vote, designate the places to post precinct warrants for elections.

ART. 13. At the request of N. C. Saunders, Henry S. Perham, and George A. Parkhurst, to see if the town will vote to combine the two High schools, or act in relation thereto.

- ART. 14. At the request of N. C. Saunders, Henry S. Perham, and Geo. A. Parkhurst, to see if the town will vote to raise and appropriate money to pay for the transportation of the pupils to the public schools, or act in relation thereto.
- ART. 15. At the request of the School Committee, to see if the town will vote to raise and appropriate a sum of money not exceeding one hundred and fifty dollars (\$150.00), to be expended by the School Committee for the purpose of furnishing and fitting up the unoccupied room in the Center school-house, or act in relation thereto.
- ART. 16. At the request of the School Committee, to see if the town will vote to raise and appropriate a sum of money not exceeding three hundred dollars (\$300.00), to be expended under the direction of the School Committee for the purpose of purchasing the necessary apparatus, maps, globes, etc., for the use of the public schools, or act in relation thereto.
- ART. 17. At the request of the School Committee, to see if the town will vote to make a change in the method of heating the school-house at North Chelmsford, and raise and appropriate a sum of money, and choose a committee to carry out the provisions of this article, or act in relation thereto.

And you are directed to serve this Warrant, by posting up attested copies thereof at the post-offices in the Center of the town, South Chelmsford, North Chelmsford, West Chelmsford, and at the school-house at East Chelmsford, ten days at least before the time appointed for holding said meeting.

Hereof fail not, and make return of this Warrant, with your doings thereon, to the Town Clerk at the time and place of holding the meeting aforesaid.

Given under our hands this eighth day of March, in the year of our Lord eighteen hundred and eighty-nine.

L. K. HOWARD,
CHARLES W. FLINT,
R. WILSON DIX,
JOHN Q. BATTLES,
GEORGE F. SNOW,

Selectmen of Chelmsford.

I have served the foregoing Warrant, by posting up true and attested copies of the same at the places above mentioned, more than ten days before the day of holding said meeting.

A true copy. Attest:

ALFRED DAY,

Constable of Chelmsford.

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

TOWN OF CHELMSFORD,

FOR THE

YEAR ENDING FEB. 28, 1889.

LOWELL, MASS.:

VOX POPULI PRESS: 130 CENTRAL STREET.

1889.

SCHOOL COMMITTEE'S REPORT.

IN accordance with the laws of the Commonwealth your School Committee herewith submit their annual report.

The first meeting of the Committee was held at the Selectmen's room at the Center town hall, on Wednesday evening, March 21, 1888, and as the night was very stormy, only a part of the Board was present. At this meeting the newly-elected members, Messrs. Wm. L. Gordon, J. A. Bartlett, and R. W. Dix, appeared and took seats with the Board. The Board organized by the choice of J. A. Bartlett as chairman and Wm. L. Gordon as secretary. Mr. George F. Snow was elected Superintendent of Schools and Book Agent for the ensuing year.

At a meeting held later, various matters pertaining to the schools were brought up, and after a full discussion it was voted "that it was the sense of the Board that we endeavor to keep within the appropriation of the town," and that the Committee as a body fix the salaries of the teachers on

the basis of the amount of work in the various schools. This the Board did, and voted to have thirty-two weeks in the school year, instead of thirty-four as the year previous, except in school No. 5, where thirty weeks was made the limit, by the request of Mr. Dutton, the member from that section.

The Committee has held a number of meetings during the year, at which various matters concerning the schools and the general routine work which has come before them has been transacted, which have no general interest here. There have been about the usual number of changes in teachers during the past year. Mr. Charles H. Bates, principal of the High School at the Center, resigned to accept a similar position at Uxbridge, Mass., at a much higher salary than your Committee could pay. Miss Nellie M. Perham, who has been a faithful teacher in the Center primary department for many years, also resigned. Three different teachers have been employed in school No. 2, two in No. 5, and two in No. 4. Mr. W. F. Parsons has been employed in place of Mr. W. N. Woodward, at the High School in North Chelmsford.

The Superintendent's report will give the standing of the schools more in detail than it would be possible to do here.

A series of teachers' meetings have been held during the past year, attended by all the teachers,

at which various matters pertaining to the welfare of the schools have been discussed. These meetings we feel will result in good to the various schools, by bringing about a more uniform system in all, and the Committee hope to continue them during the coming year.

On account of the prevalence of scarlet fever at West Chelmsford, it was thought best to close the schools, which was accordingly done. One week was also lost in the Grammar School at the Center, by reason of the sickness of the teacher.

The subject of consolidation of the smaller schools with the larger ones has been a matter of some discussion in the Committee, and it is a question which must necessarily force itself soon upon the attention of the voters of the town. Whether it is sound policy on your part to maintain so many small schools, at a relatively greater cost as compared with the larger ones, and whether the scholars would not be benefited by going into the larger and more strictly graded schools, is a matter for your earnest consideration. If so many schools are to be continued, and kept up to the standard at which they should be maintained, the expense to the town will continue, and grow more and more as time goes on. We append to this report tables showing the cost of the various schools per scholar for the past year, and to which we beg your careful attention.

If the town would adopt a different way of making the appropriation for schools, it would greatly facilitate the work of the Committee. If, instead of appropriating so much money in a lump for schools, as has been the custom (and out of which have to be taken the salaries of teachers, care of houses, and cost of fuel), they would divide it, and appropriate a sum for teachers' salaries and a sum for care and fuel, the Committee would not have to "guess" how much would be left for teachers' salaries after "guessing" about how much would be required for care and fuel.

We would call the attention of the parents to another very important matter connected with the schools, which is in their power to remedy. It is the matter of attendance. In some of our schools it has been very bad in the past year. Scholars are kept out of school for all sorts of trivial matters, many of which are uncalled for. No teacher, however good, can do good work in a school where the attendance varies from ten to twenty-five per cent., and it is impossible for scholars to keep up in their studies, to say nothing of the wrong brought upon those who continue steadily in attendance, by being held back in their classes waiting for the ones who have been absent to get up with them. The laws of the state hold the School Committee to strict account in this matter, and the new laws passed at the last session of the legislature are

more strict than ever before. We hope the parents will view this matter in the right light, and endeavor to remedy this evil in the future, or the Committee will be obliged to adopt some method looking to that end.

There is an imperative need of a fourth or intermediate school at the Center of the town. The town, two years ago, enlarged the school-house in the Center, making four rooms in place of two. The fourth room was partially fitted up with the old desks left after furnishing the other three rooms. The scholars in the primary department have increased so fast that some were obliged to be turned away, for want of accommodation, in the past year. This room can be fitted up at a small expense, and another school established, which would relieve both the primary and grammar rooms, and also be of advantage to the High School, as scholars would not be obliged to be sent forward so fast to the higher grades to make room for the new ones constantly coming in; thus giving them more time in taking the course, and at the same time receiving more attention from their teachers than it is possible to give them now, in their overcrowded rooms and too numerous classes. We would respectfully ask for an appropriation of \$150, for the purpose of fitting up this room in the Center school-house.

Your Committee would again call the attention

of the voters to the much-needed change in the method of heating the school-rooms in the school-house at North Chelmsford. As now heated, by wood stoves, a part of the scholars are frozen, and those nearest the stoves are too warm. This method is not conducive to the health or comfort of either the scholars or teacher. We would earnestly call your attention to this much-needed improvement, and ask for a special appropriation for this purpose.

Your Committee in the past year has endeavored to do its duty by the town to the best of its ability; to spend the money entrusted to them in the most economical manner, and has endeavored, in every way, with the means at hand, to give the greatest amount of good schools possible. But your Committee is forced to the conclusion that it is bad policy, on the part of the town, to so restrict the appropriation for schools that the length of the school year has to be shortened, when it was none too long before, in order to keep within the limits of the appropriation. Our school year should consist of three terms, of twelve weeks each. No one can complain that we are paying too high salaries to our teachers. Any one, who will read the report of the State Board of Education, will see that we are not paying to our female teachers the average of salaries paid by other towns in the state of equal valuation. The salaries of the High-school teachers are low, but would be nearer the mark if

we kept the High Schools the forty weeks required by law. This is one of the reasons why we have such a constant change of teachers, which is one of the greatest sources of detriment to our schools. Both teachers and scholars lose much by these changes, as they have to learn the ways of each other, and it takes valuable time for strange teachers to find out the ability of their scholars, and as much time for the scholars to learn the ways of the teacher, and thus much valuable time is lost.

But this is only one of the matters that call for an increased appropriation. There is a general lack of maps and globes, and other apparatus necessary to the good of the schools. Our High Schools have practically no apparatus to illustrate the natural sciences, which are required, by law, to be taught in them, excepting what may have been provided by private subscription.

Your Committee would respectfully ask for a special appropriation for the purpose of purchasing the necessary apparatus for use in the schools.

The appropriation for text-books and supplies should also be increased, as the Committee has been unable to furnish books really needed by some of the schools.

The statute law of the state requires that the Committee, in their annual report, shall lay before the town "such statements and suggestions in relation to the schools as the Committee deem nec-

essary or proper to promote the interest thereof." Your Committee has therefore made the foregoing suggestions and statements in regard to the needs of the schools, believing that they are actual needs, and only such as any intelligent citizen of the town would make if he had the experience of your Committee in the past year. There are many more suggestions that the Committee could make, but those made are made because we see the need of these things at once. They are not made in the spirit of fault-finding, but because we have had to realize the need of what we ask. We make them because we know that their adoption by the town will result in benefit to our schools.

We know that the state and town need intelligent and progressive citizens, and that they can be had only through the avenue of a good education. Our public-school system is firmly fixed in the hearts of our citizens, and it is their duty to see that they are well maintained, and that the hands of those to whom you entrust their care are not tied so closely that they can not do *their* duty.

It is a fact patent to the minds of all good citizens, that public schools are better for a community than reform schools, and that, as the world progresses, so must our public schools keep pace. We make these suggestions to you no more as your School Committee than as your fellow-citizens,

interested with you in all that pertains to the good of our town, and to these suggestions we ask your candid and careful consideration.

J. A. BARTLETT, *Chairman*,
WM. L. GORDON, *Secretary*,
R. WILSON DIX,
RILEY DAVIS,
M. H. WINSHIP,
F. C. BYAM,
E. E. DUTTON,
ROBERT FLETCHER,
R. S. RIPLEY.

CHELMSFORD, March 5, 1889.

SUPERINTENDENT'S REPORT.

To the Chairman and Gentlemen of the School Committee :

Herewith, in accordance with your rules, I present to you the Annual Report of the condition of the public schools of this town, for the year ending Feb. 28, 1889, it being the twenty-fifth of its series and the second which I have had the honor to prepare.

I wish, at the outset, to thank you individually for the courteous treatment you have invariably accorded me, and for the many helpful suggestions you have kindly proffered, whereby the duties of my position have been lightened and our united efforts productive of so satisfactory results.

The year has been one of substantial progress. In several respects the quality of the work has been improved.

This is due to divers causes. We have some excellent teachers, who grow wiser with experience. They do not rest satisfied with past acquirements, or with methods that produced fair results last year. By observation, reading, and thought, they seek for better methods and more satisfactory results.

Especially good results have been secured in lan-

guage, including in that term reading, spelling, and composition, with a certain amount of technical grammar. Pupils can interpret the printed page with understanding, and render the same in natural, well-modulated tones, and, in the high and grammar grades, compositions expressed in good English are secured as the rule, not the exception.

In arithmetic considerable time has been given to combinations in the fundamental rules, in addition to the regular line of work. This has given excellent results in this branch.

In all studies the teachers have striven for the best method of instruction, and have labored diligently to make their efforts tell effectually.

The public-school system accomplishes its designed purpose in proportion to the interest the citizens manifest in it, and to their co-operation with officers and teachers.

Teachers can not educate their pupils, in the best sense of the term, if they encounter opposition, or even indifference, of parents and guardians.

The best interests of the schools demand measures whereby the community, from personal inspection, may learn more of what is being accomplished. Strenuous efforts should be exerted to enlighten public sentiment in all school improvements, which have been adopted with success in other places, and which, sooner or later, must meet the approval of our own citizens. Thus, we should the earlier catch the inspiration and spirit of the times, and experience much less difficulty in carrying out those methods of instruction approved by the best educators.

Retaining so many teachers for the entire year has

added greatly to the efficiency of the work. Let a proper appreciation of their efforts now be shown, by repairing and better furnishing our school-houses, supplying much-needed apparatus and books of reference, and paying sufficient wages to continue their services from year to year.

By such a course there is no reason why all the schools should not become what many of them have been, *first-class*.

Mr. John T. Prince, Agent of the State Board of Education, gave the schools, during the spring term, a faithful inspection. While he recognized varying degrees of efficiency, he, nevertheless, spoke in high terms of much that he saw.

TEXT-BOOKS AND SUPPLIES.

An appropriation of \$600 was asked for this department, but only \$500 was granted. Considerable time was given to the careful purchasing of books and supplies, and redistributing in order to keep within the appropriation.

It is doubtful economy to attempt to run so close, as it is impossible to estimate exactly the requirements of the year, and in buying just enough to meet expected needs, it was found necessary to frequently send for additional supplies at largely increased expense.

Under the head of text-books and supplies are included not only text-books proper, such as are legalized by the Committee, but also all necessary supplies for the pupils, such as writing and drawing books, examination, composition, and practice paper, ink, pens, slates, slate-pencils, lead-pencils, crayons, erasers, etc. Most of these have to be often renewed.

A separation of the two would give approximately for text-books *per se* fifty-five per cent. and for supplies forty-five per cent.

It has been found that the average length of time a book will last is three years; that is, one-third of the books belonging to the town will have to be replaced each year. In addition to the books that are placed in the hands of each pupil, more books for collateral study and reading are necessary.

Our supply of reference books is very meagre in all of the schools; in some none at all beyond an abridged dictionary. Few studies, and especially history and geography, can be properly conducted without something more than the one text-book for each pupil.

The book gives only a mere outline, and, that the topical method may be used, this should be supplemented by others. Pupils should be taught how to study, how to find out things for themselves. The ability to acquire knowledge is more valuable than the mere possession. The public libraries have rendered great service to the scholars in supplying them with nearly all the collateral reading they have had, but a single book that must be accessible to every inhabitant of the town should not be made to do the work required in the schools.

Books to be useful must be in a position to be readily used. They should be in the school-room, where they may be consulted at any and all times.

There are mentioned by the teachers, as now especially needed to aid them in their work, two unabridged dictionaries, a large number of common-school dictionaries, twelve cyclopædias, ten gazetteers, ten globes, manuals for drawing, maps for eleven schools, and some geographical and historical readers.

The cost of books and supplies, and the disbursements to the several schools, are shown by the following table:

Books and supplies on hand March 1, 1888..	\$192 86	
Expended for books.....	261 57	
Expended for supplies	210 00	
	<hr/>	\$664 43
		<hr/>

BOOKS AND SUPPLIES FURNISHED.

High School No. 1	\$ 90 50	
Grammar School No. 1	41 30	
Primary School No. 1.....	38 83	
Mixed School No. 2	20 03	
Mixed School No. 3	44 17	
Mixed School No. 4	24 00	
Mixed School No. 5	19 41	
Mixed School No. 6	48 02	
Mixed School No. 7	22 05	
High School No. 8	47 63	
Grammar School No. 8.....	33 00	
Intermediate School No. 8	34 10	
Primary School No. 8	19 90	
Grammar School No. 9	21 36	
Primary School No. 9	13 40	
Books and supplies on hand	146 73	
	<hr/>	\$664 43
		<hr/>

MUSIC.

Singing has been taught to some extent in most of the schools, but a special and very successful effort in this direction was made in the North Chelmsford schools, where Mrs. Emma A. Spaulding was employed as instructress in this department, the expense being borne by the pupils.

One who visited the schools and listened to the beautiful songs rendered with such accuracy and evident enjoyment, could not fail of being convinced that the pleasure given to the scholars through this study is alone sufficient to justify its continuance.

In my judgment this subject hitherto has not received that attention which its importance demands, and I would suggest that more consideration be given it, because it not only tends to cultivate kind, friendly, and pleasant feelings among the scholars, but it is also recreative and refining in its influence above every other branch of study. It helps to maintain the discipline, and acts as a safety-valve, providing means of escape for the child's exuberance of spirits. In good songs we have the most effective means for teaching truth and cultivating directly the moral nature of the pupil.

If every hour were broken in the primary schools by physical exercise or singing, the mental listlessness and physical restlessness which so often defeat the purpose of the schools would be in a great measure overcome.

TEACHERS' ASSOCIATION.

This organization was formed in October. Its principal object is to discuss methods of teaching, and to make them uniform throughout the town. Two meetings have been held, and the teachers took a lively interest in them. They were a kind of "class meeting," where all gave their experience in school work. If any teacher had failed to accomplish some desired result, it was brought before the meeting and fully and freely discussed, and a remedy suggested. Where a teacher had been successful all were benefited by his advice and counsel. State Agent Walton's talk, at our last meeting, on the best

method of teaching arithmetic, bore fruit during the winter term.

MIXED SCHOOLS.

These have been generally very successful, and none of them have been failures. At the annual examinations parents and friends were present in large numbers, the scholars were generally remarkably prompt and self-possessed, and the character of the recitations was such as to clearly show that thorough work had been done. The writing-books were neat and showed good progress, and the singing was a great advance on that of last year.

The ungraded schools have given me considerable anxiety during the year, not because of incapacity or unfaithfulness on the part of the teachers, but because many of them contained advanced scholars, who, I was satisfied, were not doing their best work. No teacher ought to be required to teach all grades of scholars, from the primary school up. The remedy for the difficulty is to require scholars who are qualified to enter the High Schools to do so. Then the mixed schools would be left with scholars of three grades—the primary, intermediate, and grammar. In some instances where scholars live at a great distance, it would be inconvenient for them, but the advantages derived would largely overbalance any inconvenience.

In the High School the pupils would be better taught. They would study more, because there would be greater competition. They would have a better opportunity to learn from other scholars, one of the greatest benefits conferred by our educational system. Some of the teachers have labored under great disadvantages, inseparable from few scholars and irregular attendance.

The most faithful hired man set at work with poor tools in a hard, sterile soil ought not to be expected to show the same result for his labor as the one having good implements and rich soil in which to use them.

A comfortable house, provided, at least, with globe, outline maps, and good blackboards, scholars enough to create some enthusiasm amongst themselves, and who are not allowed to stay away from school on the slightest pretext, are absolutely essential for the success of any school.

PRIMARY SCHOOLS.

A distinguished writer has said that "education is like the grafting of a tree; one scion put on just above the root will become the main stem, and all the branches it puts forth will be of the right sort." This quotation illustrates well the importance of the first steps in education. There has been only one change of teachers in this grade, and there is a good prospect that the successful work of the past year will be even more successful in the year to come.

A noticeable improvement has been made in writing. In these schools nearly every scholar can write, and the members of the first class in each can write well. At one of the last annual examinations members of the first class were sent to the blackboard and were given words to write from the piece they had been reading. The result would have done credit to a grown person.

Little effort is now made in this grade to commit words and rules to memory. On the contrary, the child's natural fondness for "doing something" is taken as the foundation on which to build. Something to employ his

hands, and at the same time train his mental powers, is given him. With his pencil he copies what his teacher writes upon the blackboard; with blocks, splints, straws, and toothpicks he works out problems in arithmetic, — the fundamental processes in numbers being thus illustrated by objects. With colored cardboard he is taught form and color, and on his toys is built an extended language lesson. The whole method is based upon the principle that the child learns by doing.

There has been no part of our school system in which such educational progress has been made during the last few years as in primary work, and it is a satisfaction to know that our primary schools have made great progress during the past year, and compare very favorably with similar grades in other towns.

INTERMEDIATE SCHOOL.

At the close of the spring term Miss Kate Sleeper, who for a considerable period had quietly, yet steadily and wisely, guided the fortunes of our only intermediate school, resigned and was succeeded by Miss Angie Campbell. Miss Campbell has, I think, been steadily winning her way to a secure place at once in the esteem of her pupils and in the confidence of all patrons of the school.

A commendable feature of the work done here was the way in which she set her pupils to thinking for themselves. If at times some of them seemed a little slow in coming to conclusions, far better such slowness than that fatal facility of recitation which rattles off words parrot-like, with little thought as to their meaning.

The teacher's care should be to assist her pupils, not

to do their work for them ; to lead to careful thought, not to drive along in ruts. Hence, the true teacher is the one rousing thought, leading scholars to discern differences and apply principles they may have in mind.

GRAMMAR SCHOOLS.

These schools have been fortunate in having the same teachers as last year, and I can detract nothing from the merit with which each was credited in my last year's report.

I do not see how these schools could be bettered, as far as teachers are concerned. They are familiar with their work, and have performed it to the general satisfaction of all concerned.

A generation since, in grammar, only the older scholars were instructed. Many of them, it is true, could analyze and parse complicated sentences, but few could write an ordinary page of composition with ease and grace. The average grammar graduate can now express himself with greater freedom and accuracy, the result of much practice in placing the product of his thought and knowledge in writing, and the correction of such work by the teacher.

The plan, formerly, of memorizing names and places in geography, without any definite idea in the mind, was largely a waste of time. By far the greater portion of the names of towns, rivers, etc., found in our common-school geographies, were not remembered beyond the school walls. If the pupil is required to draw an accurate outline of every state and country he studies, to locate the important towns, rivers, mountains, etc., and to learn a short descriptive lesson of how the people live,

how they are governed, and what they produce, the matter thus becomes impressed upon the mind in a manner to be remembered, and much time saved for other studies.

Arithmetic is being taught to better advantage than heretofore. It is a general complaint against our common-school arithmetics, that the rules for solution of problems are different from the practice of business men. Entire reliance upon any text-book is not required.

Pupils are now taught the different methods of reckoning interest, and obtaining other results from numbers as practised in counting-rooms, banks, and among business men generally. In this way they are better prepared for the business concerns of life, and a commercial course is less called for.

The practice in penmanship formerly consisted of a daily half-hour imitation of a copy. There was almost no practice without a copy-book. The result was that children were deficient in those elements of good penmanship, ease and rapidity.

Pupils in the grammar grades of to-day, however, it is believed, are generally able to write easily, rapidly, and well. This result is due, in a great measure, to repeated composition and dictation exercises, where, from the nature of the case, there can be no copy.

HIGH SCHOOLS.

Changes of teachers occurred in both our High Schools at the close of the spring term. The loss of an efficient teacher who has become thoroughly familiar with the workings of a school is always a misfortune. Even if his successor is equally competent, some time

must elapse before he can form a sufficiently close acquaintance with his pupils to establish that bond of sympathy which is absolutely essential to produce the best results. This was especially true in the loss of Mr. Chas. H. Bates, who had so successfully taught the Center school during the four previous terms. I congratulate the Board, however, that they were so fortunate as to secure successors equally competent.

It is needless to say that the general management of the schools continues to be of a high order. The progress during the last two terms has been very satisfactory. The teachers have been thoroughly interested in their work and indefatigable in their efforts to advance the interests committed to their care. It is the testimony of the teachers that as little time is lost on the part of the pupils in the school-room as in that of any educational institution with which they have ever been connected. Good, honest, solid, earnest work is the everyday habit of a majority of the students in these schools.

A class of thirteen graduates went from the Center High School at the close of the spring term. The exercises of graduation were attended by an audience which completely filled the town hall. The exercises were of about the right length, and there was sufficient variety. The essays were characterized by more originality than is generally shown at such times. Music rendered by the Chelmsford Orchestra was a marked feature of the evening. Diplomas were presented by J. Adams Bartlett, chairman of the School Committee, with an address to the graduates appropriate to the occasion.

PROGRAMME.

MILITARY MARCH *Catlin.*

ORCHESTRA.

PRAYER.

1. SALUTATORY ESSAY "Influence of Poetry."

MISS MARSHALL.

2. ESSAY "Empress Josephine."

MISS CROOKER.

3. ESSAY "Music."

MISS DAVIS.

4. ESSAY "The Three Caskets."

MISS FULTON.

AVE MARIA *Gounod.*

ORCHESTRA.

5. ESSAY "Power of Early Impressions."

MISS LOCKE.

6. CLASS HISTORY.

MISS EMERSON.

7. ESSAY "Value of Character."

MISS McNUTT.

8. ORATION "Power of Ideas."

MASTER FLETCHER.

LA FAVORITA *Donizetti.*

ORCHESTRA.

9. ESSAY "The Fall of Troy."

MISS ROBINSON.

10. ESSAY "Joan of Arc."

MISS WARREN.

11. CLASS PROPHECY "The Authiscope."

MASTER SAUNDERS.

SELECTION FROM IL TROVATORE *Verdi.*

ORCHESTRA.

12. ESSAY "Great Inventions."

MISS WILSON.

13. VALEDICTORY ESSAY "The Puritan Character."

MISS HUTCHINSON.

SINGING PARTING ODE. AWARDING OF DIPLOMAS.

BENEDICTION.

GRADUATING CLASS.

Etta May Crooker,
Inez Althea Davis,
Edith Williams Emerson,
William Fletcher,
Jennie Amanda Fulton,
Ella Augusta Hutchinson,
Clara Belle Locke,

Amy Wood Marshall,
Lillian Augusta McNutt,
Florence Maud Robinson,
Lillian Esther Warren,
Jennie Gertrude Wilson,
Alvan Rose Saunders.

SCHOOL ATTENDANCE.

I venture the assertion that of all the school reports which have been written in Chelmsford for the past twenty years, not one in five can be found which does not contain something on the subject of school attendance. No subject has received more anxious thought on the part of your Superintendent during the year, and it is a pleasure to report a decided improvement in the average attendance of the schools, compared with previous years. The average attendance of pupils has been 86 per cent. of the average number belonging to the schools.

I consider unnecessary absence the great evil in the schools, and the hardest to remedy. If all absences reported by teachers could be traced to the real delinquents, it would be found to be confined to a few, and thus four or five in each school spoil the average of the whole.

NO RECESS.

The no-recess plan, so generally obtaining elsewhere, has been tried to some extent in the schools, and thus far has worked admirably. Many years' experience as a teacher has led me to favor abolition of the recess. I have found that during recess-time most of the mischief of school-life finds vent. Besides, clothing is injured, school property impaired, accidents precipitated, sickness often produced by exposure to extremes of heat and cold, and through excitement of violent exercise, school-work seriously disturbed; and most important of all, the moral welfare of the scholars often suffers.

All pupils are allowed individual recesses, when nec-

essary, at any hour of the day, and as often as required. Besides, pupils practise a series of marching and calisthenics each session, for about five minutes, at which time, when the weather will permit, the windows are opened to admit fresh air. I am a strong advocate of the individual-recess plan.

GENERAL REMARKS.

A careful examination of the condition of the schools, and of their work during the year, would doubtless reveal defects and imperfect work ; but it would also result in the recognition of many features of excellence, and of fidelity and untiring zeal on the part of the teachers. I again bespeak for them liberal support. Their importance is so transcendent that there is no danger of bestowing upon them too much of our care or means. If thus far in the history of our country Massachusetts has had any commanding influence in the councils of the government ; if, by her example, and by the emigration of her sons, she has been instrumental in imparting any thing of vigorous growth, persistent energy, and successful enterprise to other states, — it has been chiefly due to the influence of her public schools.

Progress in education requires a wide-awake people, and if we would have Chelmsford schools maintain the honorable position which they have hitherto enjoyed, we must put forth united and earnest efforts. I do not believe the citizens of the town will ever suffer the character, influence, and usefulness of our schools to decline for want of generous appropriations for their support.

CONCLUSION.

In closing, I desire to tender most cheerfully my sincere thanks to the teachers, for their aid and hearty co-operation in carrying forward the work of the schools, and my grateful acknowledgment to the parents and patrons, with whom my relations have been so pleasant, and whose sympathy and encouragement I have enjoyed during the year.

Respectfully submitted,

GEORGE F. SNOW,

Superintendent of Schools.

CHELMSFORD, MASS., March 5, 1889.

ROLL OF HONOR — PUPILS NOT ABSENT.

Those marked * were tardy.

HIGH SCHOOL NO. 1,

TWO TERMS — Wintie R. Gordon, Grace E. Mansfield, Clara M. Hutchinson, Charles H. Dutton.

ONE TERM — Clara B. Locke, Ella A. Hutchinson, James A. Emerson.

GRAMMAR NO. 1.

TWO TERMS — Harold H. Davis, Cora E. Hutchinson, Estelle G. Hutchinson, Ethel L. Byfield.

ONE TERM — Tommy Parkhurst, Ralph W. Emerson, Willie H. Fulton, Alice M. Stearns, Jessie Holt, Nellie Keefe.

PRIMARY NO. 1.

ONE TERM—Harold Davis, Leslie Davis, Charles P. Holt, Ralph Stearns, Leon Thurlow, Herbert Whitney, Robert H. Livingstone, George French, George P. Jacques,* Merle C. Saunders,* Grace S. Parkhurst.*

MIXED NO. 3.

ONE YEAR—Lyman A. Byam, Nellie A. Byam, Grace G. Garland, Ferdie M. Scoboria, John H. Cooper.

ONE TERM—Alice E. Paignon, Eugenie S. Paignon, Willie J. White, John A. Redmond, Maggie Sloan, Carl M. Mansfield, Sarah J. George, Frankie H. Mansfield.

MIXED NO. 4.

ONE TERM—Merton Cummings, Frankie Melvin, Walter Redmond.

MIXED NO. 5.

ONE YEAR—Florence Ward, Arthur E. Dutton.

TWO TERMS—Harry A. Dutton.

MIXED NO. 6.

ONE YEAR (neither absent nor tardy)—Annie Devine (tardy twice), Ellie Devine, Bertha Teabo, Ernest Craven.

TWO TERMS (neither absent nor tardy)—Mary Devine, Lizzie Devine, Sadie Devine, Walter Devine, Mary J. Dix.

ONE TERM (neither absent nor tardy)—Albert Dyar, Harry Wilson, Lucy Openshaw, Perle Dyar (tardy once), Arthur Dyar (tardy once), Michael McKennedy (tardy twice).

MIXED NO. 7.

ONE YEAR—Charles Martin.

TWO TERMS-- Frank Martin, Willie Martin.

ONE TERM—Almeda Reed, Oscar Hodson, Elsie Hodson, Ella Hodson.

PRIMARY NO. 8.

ONE YEAR—Sarah Leahey, Theresa McCabe, Frank Hall, Clarence Spalding, Stephen Ward.

TWO TERMS—Hattie Cook, Alice Shields, Lizzie Larkin, Rosie McCabe, John Shields, George Lambert, Carl Ripley.

ONE TERM—Carrie Cook, Edith Merrill, Alice O'Donald, Lena O'Donald, Cora Pearson, Delia Shields, Florence Shaw, Maud Wright, Arthur Wheeler, Nellie McCabe, Grace Merrill, Eddie Hutchins, Susie Newman, John Callaghan, Mary Hatch.

INTERMEDIATE NO. 8.

ONE YEAR—Viola Green.

TWO TERMS—Delia Shields, Charles Hatch, James Leahey, Walter Marinel, Frank Pearsons.

ONE TERM—Gardner Ripley, Willie Chandler, Georgie Spaulding, Georgie Swain, Mary Dunnigan, Willie Dunnigan, Hannah Shields, Hannah Sleeper, Edith Merrill, Grace Wright, Hattie Hall, Ida Irish, Minnie Pearson, Mary McMahon, Herman Shaw, Willie O'Neil, Carrie Cook, Minnie McManamin, Florence Sampson.

GRAMMAR NO. 8.

ONE YEAR—Cecelia A. Marinel, Luella G. Merrill.

TWO TERMS—Fannie G. Holt, Minnie E. Pearson, Lillie M. Sweat, Frank D. Small,* George B. Holt,* Fred Chandler.

ONE TERM—S. Mabel Hoole, Blanche L. Sampson, Della G. Sprague, Sadie E. McCoy,* Eliza J. Spaulding, Augustus E. Duncan, G. Walter Monegan, Charles E. Hyde, Albert E. Peterson, E. Herman Shaw, C. Hassie Spaulding.

HIGH NO. 8.

ONE YEAR—Ralph Ripley.

TWO TERMS—Della Sprague, Bertha Swain, Walter Swain, Fannie Parkhurst.

ONE TERM—Irving Keith, Rosella Monehan, Charles Davis.

GRAMMAR NO. 9.

ONE YEAR—Florence M. Winship.

TWO TERMS—Emma L. Woodward, Mary D. Doherty, Minnie M. Pelsue,* Cora G. Daw, Nina E. D. Dane,* Alfred M. Daw, Federick A. Snow, Carl E. Spalding, Charles A. L. Dane,* Lottie L. Snow, Bertha V. Parkhurst.

ONE TERM—Lilla Cunningham, Alma E. Agnew, Almira L. Coburn, Louisa F. Pelsue, Helen Knowles,* George Mason,* Johnnie E. Dane, George Quessy, George Knowles,* Arthur Mason. Oscar N. Naylor.

STATISTICAL TABLE OF SCHOOLS IN THE TOWN OF CHELMSFORD, MASS., FOR THE YEAR ENDING MARCH 1, 1889.

SCHOOLS.	No. of School.	TEACHERS.	SPRING TERM.						FALL TERM.							
			Time.	Number regist'd.	Av. attendance.	Under 5 years.	Over 15 years.	Between 8 and 14.	Wages per month.	Time.	Number regist'd.	Av. attendance.	Under 5 years.	Over 15 years.	Between 8 and 14.	Wages per month.
High, Center	1	Charles H. Bates,...	2	15	46	38.5	0	23	23	\$84 00	41	36	0	14	27	\$80 00
Grammar, Center.....	1	E. F. DeNormandie,	2	15	35	28.5	0	0	35	36 00	15	40	0	1	39	36 00
Primary, Center.....	1	L. J. Butterfield ...	2	15	55	45.9	0	0	24	36 00	2	15	0	0	22	36 00
Mixed, North Road....	2	Susie M. Emerson...	2	10	10	8.4	0	0	10	32 00	54	47.4	0	0	22	36 00
Mixed, South.....	3	Carrie C. Adams...	2	10	10						2	15	0	0	9	32 00
Mixed, South Road....	4	Mary M. Burnham...	2	10	31	22.2	0	2	20	36 00	14	8	0	0	21	36 00
Mixed, Littleton Road.	5	Gertrude W. Ryan...	2	15	16	14	0	1	11	34 00	28	23	0	2	10	34 00
Mixed, East.....	5	Helen J. Gookin....	2	10	10	8.7	0	0	7	24 00	17	17	0	0	7	24 00
Mixed, Westford Road.	6	Nellie M. Hadley...	2	10	35	30.1	0	0	24	36 00	3	11	0	0	22	36 00
High, North.....	7	Susie S. McFarlin...	2	15	15	11.2	2	0	13	32 00	2	10	1	0	9	32 00
Grammar, North.....	8	Grace Saunders....	2	10	18	11.8	0	12	1	84 00	28	25.6	0	16	12	84 00
Intermediate, North...	8	W. F. Parsons.....	2	10	32	23.4	0	4	28	36 00	4	43	0	0	43	36 00
Primary, North.....	8	Addie M. Taylor....	2	10	42	36.4	0	0	42	36 00	4	34.4	0	0	43	36 00
Grammar, West.....	8	Katie Sleeper.....	2	15	19	15	0	3	16	34 00	4	39.9	1	0	12	36 00
Primary, West.....	9	Angie Campbell....	2	10	49	40.8	3	0	14	36 00	47	13.3	0	3	14	34 00
		Laura G. Hoyt.....	2	15	19	15	0	3	16	34 00	2	24.4	1	0	14	34 00
		Aida M. Sheldon....	2	15	28	23.5	1	0	12	34 00	29	24.4	1	0	14	34 00
		Agnes Naylor.....	2	15	28	23.5	1	0	12	34 00	29	24.4	1	0	14	34 00
Total Schools.....	15	Teachers, 20.	39	5	441	424.4	6	45	280		456	383.4	3	38	304	

Statistical Table of Schools in the Town of Chelmsford, Mass. — *Continued.*

SCHOOLS.	No. of School.	TEACHERS.	WINTER TERM.						THE YEAR.						Per cent. of attendance.	Cost per capita for the year.	Cost per capita per week.
			Time.	Number registe'd.	Av. attendance.	Under 5 years.	Over 15 years.	Between 8 and 14.	Wages per month.	Number registe'd.	Av. attendance.	Wages of teachers.					
													Months.	Days.			
High, Center.....	1	E. F. DeNormandie,...	2	10	29	0	14	25	\$84 00	46	34.5	\$661 00	.80	\$21 06	\$0 65.8		
Grammar, Center.....	1	L. J. Butterfield....	2	5	32.2	0	0	39	36 00	40	31.5	279 00	.90	13 79	0 44.8		
Primary, Center.....	1	Susie M. Emerson..	2	10	37.1	0	0	25	36 00	55	43.5	288 00	.85	12 40	0 38.7		
Mixed, North Road....	1	M. Elizabeth Ham..	2	15	9.2	0	0	12	32 00	14	8.5	256 00	.80	41 96	1 31.1		
Mixed, South.....	3	Gertrude W. Byam..	2	15	33	0	23	23	36 00	33	24	288 00	.90	15 79	0 49.3		
Mixed, South Road....	4	Carrie L. Adams....	2	10	19	0	4	14	34 00	19	15.6	272 00	.80	23 46	0 73.3		
Mixed, Littleton Road..	5	Orinda A. Perham..	2	10	11	0	0	7	24 00	11	8.1	180 00	.80	32 52	1 08.4		
Mixed, East	6	Susie S. McFarlin..	2	10	30	0	0	23	36 00	35	28.2	288 00	.90	14 71	0 45.9		
Mixed, Westford Road..	7	Grace Saunders....	2	15	12	0	0	9	32 00	15	10	256 00	.73	33 13	1 03.5		
High, North.....	8	W. F. Parsons.....	1	10	26	0	16	10	84 00	31	20	672 00	.92	39 68	1 24		
Grammar, North.....	8	Addie M. Taylor....	1	10	30	0	2	28	36 00	45	23	288 00	.90	17 18	0 53.6		
Intermediate, North....	8	Angie Campbell....	1	10	37	0	0	37	36 00	46	35	288 00	.92	11 32	0 35.3		
Primary, North.....	9	Laura G. Hoyt.....	1	10	50	0	0	19	36 00	66	39	288 00	.91	9 80	0 30.6		
Grammar, West.....	9	Ada M. Sheldon....	1	14	12	0	3	9	34 00	19	13	246 50	.90	25 53	0 79.7		
Primary, West.....	9	Agnes Naylor.....	1	14	19.4	0	0	13	34 00	29	22	246 50	.91	14 73	0 46.6		
Total Schools.....	15	Teachers, 20.	32	8	343.4	0	40	283		504	437.9	\$4,797 00	.86				

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